

Cb.
cont

In other tests, the master blend binder disclosed in Table IV was blended with up to about 50 wt.% pozzolanic aggregate filler (pumice or perlite), with and without foaming agent, to produce boards according to the invention. Such boards exhibited acceptable physical properties. ~

IN THE CLAIMS:

Please amend claims 1, 5, 6, 7, 9, 10, 17, 19, 20, 22, 23, 25, and 27 as follows:

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1. (Twice amended) A cementitious composition comprising:

(a) about [30] 20 wt.% to about 75 wt.% calcium sulfate beta-hemihydrate;

(b) about 10 wt.% to about [40] 50 wt.% [Portland cement] of a cement selected from the group consisting of Portland cement, a blend of Portland cement and fly ash, a blend of Portland cement and ground blast slag; and mixtures thereof;

(c) about 4 wt.% to about 20 wt.% silica fume;

and

(d) about 1 wt.% to about [40] 50 wt.% pozzolanic aggregate.

5. (Amended) The composition of claim 1 wherein the pozzolanic [filler] aggregate is about 10 wt% to about [40] 50 wt.% of the composition and comprises pumice.

6. (Amended) The composition of claim 1 wherein the pozzolanic [filler] aggregate is about 1 wt% to about 10 wt.% of the composition and comprises [Fillite] hollow silicate spheres.

e Cg,
cont

7. (Twice amended) The composition of claim 1
[comprising at least one of] ^{consisting essentially of} ~~further comprising~~ at least one
component selected from the group consisting of set control
additives, water reducing agents and water repellent
additives.

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9. (Amended) The self-leveling floor composition
of claim 8 wherein said composition (i) comprises about 72
wt.% calcium sulfate beta-hemihydrate, about 20 wt.%
Portland cement, about 6 wt.% silica fume and about 2 wt.%
pozzolanic [filler] aggregate.

10. (Amended) The self-leveling floor
composition of claim 9 wherein said pozzolanic [filler is
Fillite] aggregate comprises hollow silicate spheres.

C10

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D2

17. (Twice amended) A water resistant
construction material prepared by combining a cementitious
composition with a slight stoichiometric excess of water,
said cementitious composition comprising:

(a) about [30] 20 wt.% to about 75 wt.% calcium
sulfate beta-hemihydrate;

(b) about 10 wt.% to about [40] 50 wt.%
[Portland cement] of a cement selected from the group
consisting of Portland cement, a blend of Portland cement
and fly ash, a blend of Portland cement and ground blast
slag; and mixtures thereof;

(c) about 4 wt.% to about 20 wt.% silica fume;
and

(d) about 1 wt.% to about [40] 50 wt.% pozzolanic
aggregate.

12/17. (Amended) The construction material of claim
17 wherein the Portland cement [of paragraph (b)] is Type
III Portland cement.

C11 15/20. (Amended) The construction material of claim
12/17 wherein the pozzolanic [filler of paragraph (d)]
aggregate is about 10 wt.% to about [40] 50 wt.% of the
composition and comprises pumice.

8 12/17. (Twice Amended) The construction material of
claim 17 wherein the cementitious composition [includes at
least one of] further comprising at least one component
selected from the group consisting of set control additives,
water reducing agents and water repellent additives.

Sub D3
C12 23. (Twice amended) A water resistant
construction material having a thickness of about 1/8 inch,
said material prepared by combining a cementitious
composition with a slight stoichiometric excess of water,
said cementitious composition comprising:

(a) about [30] 20 wt.% to about 75 wt.% calcium
sulfate beta-hemihydrate;

(b) about 10 wt.% to about [40] 50 wt.% [Portland
cement] of a cement selected from the group consisting of
Portland cement, a blend of Portland cement and fly ash, a
blend of Portland cement and ground blast slag; and mixtures
thereof;

(c) about 4 wt.% to about 20 wt.% silica fume;
and

(d) about 1 wt.% to about [40] 50 wt.% pozzolanic
aggregate.